

WHAT IS CLAIMED IS:

1. A method of making a glass comprising:

Ingredient	wt. %
SiO ₂	67 – 75 %
Na ₂ O	10 – 20 %
CaO	5 – 15 %
total iron (expressed as Fe ₂ O ₃)	0.01 to 0.30 %

wherein the glass has visible transmission of at least 90%, a transmissive a* color value of -1.5 to +1.0, and a transmissive b* color value of -1.0 to +1.5, wherein the method comprises:

using a batch redox of from +7.5 to +14 when making said glass.

2. The method of claim 1, wherein the glass comprises:

total iron (expressed as Fe ₂ O ₃)	0.02 to 0.20 %
erbium oxide	0.02 to 0.20 %.

3. The method of claim 1, wherein the batch redox used in making the glass is from +8 to +12.

4. The method of claim 1, wherein the batch redox used in making the glass is from +8.5 to +11.

5. The method of claim 1, wherein the batch redox used in making the glass is from +9 to +11.

6. The method of claim 1, wherein the glass comprises:

total iron (expressed as Fe ₂ O ₃):	0.01 – 0.30 %
%FeO:	0.001- 0.10 %
glass redox:	<= 0.25
erbium oxide:	0 – 0.30 %

cerium oxide: 0 – 0.30 %

cobalt oxide: 0 – 0.001 %.

7. The method of claim 1, wherein the glass comprises:

total iron (expressed as Fe_2O_3): 0.02 – 0.20 %

%FeO: 0.002- 0.05 %

glass redox: ≤ 0.20

erbium oxide: 0.02 – 0.20 %

cerium oxide: 0 – 0.18 %

cobalt oxide: 0 – 0.0005 %.

8. The method of claim 1, wherein the glass comprises:

total iron (expressed as Fe_2O_3): 0.03 – 0.08 %

%FeO: 0.004- 0.015 %

glass redox: ≤ 0.20

erbium oxide: 0.03 – 0.13 %.

9. The method of claim 1, wherein the glass has a redox value ($\text{FeO}/ \text{Fe}_2\text{O}_3$) no greater than 0.16.

10. The method of claim 1, wherein the glass further comprises from 0.001 to 0.10 %FeO.

11. The method of claim 1, wherein the glass comprises from 0.002 to 0.05 %FeO.

12. The method of claim 1, wherein the glass comprises from 0.004 to 0.015 %FeO.

13. The method of claim 1, wherein the glass comprises less than or equal to 0.0002 % cobalt oxide.

14. The method of claim 1, wherein the glass comprises less than or equal to 0.0001 % cobalt oxide.

15. The method of claim 1, wherein the glass comprises less than or equal to 0.0002 % cerium oxide.

16. The method of claim 1, wherein the glass comprises less than or equal to 0.0001 % cerium oxide.

17. The method of claim 1, wherein the glass has a transmissive a^* color value of -1.0 to $+1.0$.

18. The method of claim 1, wherein the glass has a transmissive a^* color value of -0.8 to $+0.5$ and a transmissive b^* color value of -0.7 to $+1.0$.

19. The method of claim 1, wherein the glass comprises from 0-5% MgO , from 0-5% K_2O and from 0-5% Al_2O_3 .

20. The method of claim 1, wherein the glass includes a colorant portion which consists essentially of:

total iron (expressed as Fe_2O_3):	0.01 – 0.30 %
erbium oxide:	0 – 0.30 %
cerium oxide:	0 – 0.30 %
cobalt oxide:	0 – 0.0005 %.

21. The method of claim 1, wherein the glass includes a colorant portion which consists essentially of total iron (expressed as Fe_2O_3) in an amount of from 0.01 to 0.30 %.

22. A method of making soda-lime-silica based glass, the method comprising using a batch redox of at least +7.5 when making the glass, wherein the glass has a visible transmission of at least 75%.

23. The method of claim 22, wherein the glass comprises:

SiO_2	67 – 75 %
Na_2O	10 – 20 %
CaO	5 – 15 %
total iron (expressed as Fe_2O_3)	0.01 to 0.30 %

and wherein the glass has visible transmission of at least 80%, and a transmissive a^* color value of -1.5 to $+1.0$.

24. The method of claim 23, wherein the glass has a visible transmission of at least 85%, and a transmissive a^* value of -1.0 to $+1.0$.

25. The method of claim 22, wherein the glass has a glass redox value of no greater than 0.20.

26. The method of claim 22, wherein the batch redox used in making the glass is from +8 to +12.